

REMARKS

The present amendment is in response to the Office action dated May 23, 2005, where the Examiner has allowed claims 8, 10-12 and 14, rejected claims 1, 2, 4-7, 21, 22 and 24-27, and objected to claims 3, 9, 13 and 23. By the present amendment, claim 3 has been canceled, and claims 1, 21 and 23 have been amended. Accordingly, claims 1, 2, 4-23 and 24-27 remain in the present application, of which claims 15-20 are withdrawn. Allowance of remaining claims 1, 2, 4-14 and 21-27 in view of the amendments and the following remarks is respectfully requested.

A. Objection to the drawings under 37 USC §1.83(a)

The Examiner has objected to the drawings under 37 USC §1.83(a) as not showing the subject matter of claims 2, 9, and 22 (bipolar junction transistor-based operational amplifier) and the subject matter of claims 6, 13 and 26 (field effect transistor). Applicant respectfully submits that said subject matter is shown as references 106 and 102, respectively, in Figure 1 of the present application.

According to 37 USC §1.83(a): *"The drawing in a nonprovisional application must show every feature of the invention specified in the claims. However, conventional features disclosed in the description and claims, where their detailed illustration is not essential for a proper understanding of the invention, should be illustrated in the drawing in the form of a graphical drawing symbol or a labeled representation (e.g., a labeled rectangular box)."* Here, with regarding to amplifier 106, a detailed description of a bipolar junction transistor-

based operational amplifier is not necessary for the proper understanding of the invention as other types of amplifiers may be used and this is given as just one example of an amplifier. See p. 8, ln. 19-22 of the present application. Likewise, regarding resistor 102, a detailed description of a field effect transistor is not necessary for the proper understanding of the invention, as resistor 102 represents various types of resistive or impedance elements. See p. 6, ln. 14-17 of the present application. Accordingly, Applicant respectfully submits that the drawings meet the requirements of 37 USC §1.83(a).

B. Allowable claims

On page 8, item 7 of the Office action in the Allowable Subject Matter section, the Examiner states that claim 3 would be allowed if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant appreciates the Examiner's statement of allowance regarding claim 3. Applicant has amended claim 1 to incorporate the limitations of claim 3 including all of the limitations of the base claim and any intervening claims, and has canceled claim 3. Therefore, Applicant respectfully submits that currently amended independent claim 1 is now in a condition for allowance. In addition, respectfully submits that claims 2 and 4-7, depending from currently amended allowable independent claim 1, are also in a condition for allowance.

On page 9, item 8 of the Office action in the Allowable Subject Matter section, the Examiner states that claims 8, 10-12, and 14 are allowed. Applicant

appreciates the Examiner's statement of allowance regarding claims 8, 10-12, and 14.

On page 10, item 9 of the Office action in the Allowable Subject Matter section, the Examiner states that claims 9 and 13 would be allowed if rewritten or amended to overcome the objection under 37 USC §1.83(a). As discussed above, the drawings are in compliance with 37 USC §1.83(a). Accordingly, Applicant respectfully submits claims 9 and 13 are in a condition for allowance.

C. Rejection of the claims under 35 USC §103

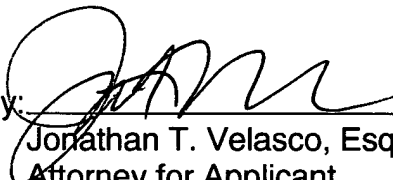
The Examiner has rejected claim 21 under 35 USC §103 as being unpatentable over Li (5,689,162). Applicant respectfully disagrees, however, in order to expedite prosecution, Applicant has amended claim 21 to include the subject matter of allowed claim 8. Also, Applicant has made formal changes to claim 23, to reflect the antecedent basis of amended base claim 21. As such, Applicant respectfully submits that currently amended independent claim 21 is in a condition for allowance. In addition, respectfully submits that claims 22-27, depending from currently amended independent claim 21 are also in a condition for allowance.

D. Conclusion

For all the foregoing reasons, a Notice of Allowance directed to claims 1, 2, 4-14, 21-27 remaining in the present application is respectfully requested.

Respectfully submitted,

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